

L Number	Hits	Search Text	DB	Time stamp
1	336	lysyl adj oxidase	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/26 17:20
2	0	(lysyl adj oxidase) adj "4"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/26 17:19
3	0	lyslyl adj oxidase adj "4"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/26 17:19
4	239	lysyl adj oxidase	USPAT; EPO; DERWENT	2003/06/26 17:20
5	205	lysyl adj oxidase	USPAT; EPO	2003/06/26 17:20

FILE 'MEDLINE, EMBASE, USPATFULL, BIOSIS, CAPLUS' ENTERED AT 11:48:04 ON
27 JUN 2003

L1	2889 S	LYSYL OXIDASE
L2	1294 S L1 (S)	COLLAGEN
L3	3 S L2 (S)	(POLYNUCLEOTIDE OR (NUCLEIC ACID))
L4	3 DUP REM L3	(0 DUPLICATES REMOVED)

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; Sequence 1, Application US/09870110
; Patent No. US20020068322A1
; GENERAL INFORMATION:
; APPLICANT: Rachel Meyers
; TITLE OF INVENTION: 47765, A No. US20020068322A1el Human Lysyl Oxidase and
; TITLE OF INVENTION: Uses Thereof
; FILE REFERENCE: MNI-160
; CURRENT APPLICATION NUMBER: US/09/870,110
; CURRENT FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/207,650
; PRIOR FILING DATE: 2000-05-26
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2976
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (95)...(2362)
; NAME/KEY: misc_feature
; LOCATION: (1)...(2976)
; OTHER INFORMATION: n = A,T,C or G
US-09-870-110-1
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Alignment Scores:

Pred. No.:	1.01e-283	Length:	2976
Score:	3072.00	Matches:	568
Percent Similarity:	99.47%	Conservative:	0
Best Local Similarity:	99.47%	Mismatches:	0
Query Match:	98.05%	Indels:	3
DB:	10	Gaps:	0

US-10-067-422-10 (1-573) x US-09-870-110-1 (1-2976)

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RESULT 2 .

AF338441

LOCUS AF338441 2271 bp mRNA linear PRI 11-JUL-2001

DEFINITION Homo sapiens lysyl oxidase-related protein C (LOXC) mRNA, complete cds.

ACCESSION AF338441

VERSION AF338441.1 GI:14669470

KEYWORDS .

SOURCE Homo sapiens.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 2271)

AUTHORS Ito,H., Akiyama,H., Iguchi,H., Iyama,K., Miyamoto,M., Ohsawa,K. and Nakamura,T.

TITLE Molecular cloning and biological activity of a novel lysyl oxidase-related gene expressed in cartilage

JOURNAL J. Biol. Chem. 276 (26), 24023-24029 (2001)

MEDLINE 21316447

PUBMED 11292829

REFERENCE 2 (bases 1 to 2271)

AUTHORS Akiyama,H., Ito,H. and Nakamura,T.

TITLE Direct Submission

JOURNAL Submitted (19-JAN-2001) Department of Orthopaedics, Kyoto University, 54 Shogoin-Kawahara-cho, Sakyo, Kyoto 606-8507, Japan

FEATURES Location/Qualifiers

source

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CDS

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BASE COUNT 453 a 655 c 747 g 416 t

ORIGIN

Alignment Scores:

Pred. No.:	1.04e-149	Length:	2271
Score:	3072.00	Matches:	568
Percent Similarity:	99.47%	Conservative:	0
Best Local Similarity:	99.47%	Mismatches:	0
Query Match:	98.05%	Indels:	3
DB:	9	Gaps:	0

US-10-067-422-10 (1-573) x AF338441 (1-2271)

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Qy	200	ArgValValCysGlyMetLeuGlyPheProSerGluValProValAspSerHisTyrTyr	219
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Qy	220	ArgLysValTrpAspLeuLysMetArgAspProLysSerArgLeuLysSerLeuThrAsn	239
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Qy	280	HisAlaValValSerCysValAlaGlyProHisPheArgProProLysThrLysProGln	299
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Qy	320	GluGlyArgValGluValLeuMetAsnArgGlnTrpGlyThrValCysAspHisArgTrp	339
Db	961	GAGGGCCGGGTGGAAGTGCTCATGAACCGCCAGTGGGGCACGGTCTGTGACCACAGGTGG	1020
Qy	340	AsnLeuIleSerAlaSerValValCysArgGlnLeuGlyPheGlySerAlaArgGluAla	359
Db	1021	AACCTCATCTCTGCCAGTGTCTGTGTCTGTCAGCTGGGCTTTGGCTCTGCTCGGGAGGCC	1080
Qy	360	LeuPheGlyAlaArgLeuGlyGlnGlyLeuGlyProIleHisLeuSerGluValArgCys	379
Db	1081	CTCTTTGGGGCCCCGGCTGGGGCAAGGGCTAGGGCCCATCCACCTGAGTGAGGTGCGCTGC	1140
Qy	380	ArgGlyTyrGluArgThrLeuSerAspCysProAlaLeuGluGlySerGlnAsnGlyCys	399
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Qy	400	GlnHisGluAsnAspAlaAlaValArgCysAsnValProAsnMetGlyPheGlnAsnGln	419
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Qy	420	ValArgLeuAlaGlyGlyArgIleProGluGluGlyLeuLeuGluValGlnValGluVal	439
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Qy	440	AsnGlyValProArgTrpGlySerValCysSerGluAsnTrpGlyLeuThrGluAlaMet	459
Db	1321	AACGGGGTCCCACGCTGGGGGAGCGTGTGCAGTGAAAAGTGGGGGCTCACCGAAGCCATG	1380
Qy	460	ValAlaCysArgGlnLeuGlyLeuGlyPheAlaIleHisAlaTyrLysGluThrTrpPhe	479
Db	1381	GTGGCCTGCCGACAGCTCGGCCTGGGTTTTGCCATCCATGCCTACAAGGAAACCTGGTTTC	1440
Qy	480	TrpSerGlyThrProArgAlaGlnGluValValMetSerGlyValArgCysSerGlyThr	499
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Qy	500	GluLeuAlaLeuGlnGlnCysGlnArgHisGlyProValHisCysSerHisGlyGlyGly	519
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Qy	520	ArgPheLeuAlaGlyValSerCysMetAspSerAlaProAspLeuValMetAsnAlaGln	539
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